

Georgia Department of Transportation Office of Materials and Testing

Standard Operating Procedure (SOP) 22 Acceptance of Asphalt Rubber Joint and Crack Sealant

I. General

As an aid to construction and maintenance personnel, the Office of Materials and Testing maintains a [Qualified Products Manual](#). This Standard Operating Procedure provides guidelines to establish Qualified Products for the use of Asphalt Rubber Joint and Crack Sealant and governs the following [Qualified Products Lists \(QPL\)](#) which are included in this manual:

QPL	Item
QPL-92A	Asphalt Rubber Joint and Crack Sealant Type M
QPL-92B	Asphalt Rubber Joint and Crack Sealant Type S
QPL-92C	Asphalt Rubber Joint and Crack Sealant PMAR

Products that appear on these lists have been evaluated by the Office of Materials and Testing and have meet the appropriate Georgia Department of Transportation Specification. Any of these products may be used without sampling or pre-testing provided the field engineer determines the product is uncontaminated and undamaged. However, products normally shipped as packaged units may not be used if the units have been partially expended prior to arrival on the project. The field engineer must ascertain that the construction item is the same material identified on the appropriate [Qualified Products List](#) and will acknowledge receipt of these items in the project diary or as required by the Construction Manual.

It shall be the responsibility of the Office of Materials and Testing to monitor products covered by SOP-22. The Office of Materials and Testing will update the [Qualified Products Manual](#) a minimum of once every twelve months. Representatives from the Office of Materials and Testing may visit the producer's plant or warehouse or construction or maintenance projects, at unscheduled times, to obtain random samples of items covered by this SOP. Products that consistently produce test results that significantly vary from those established by the manufacturer and verified by the Office of Materials and Testing will be removed from the applicable [Qualified Products List](#). Products that meet the current requirements of the Specifications but do not perform satisfactorily in the field will be removed from the applicable [Qualified Products List](#). Products that meet current requirements of the Specifications but were not submitted for annual evaluation upon request by the Department will be removed from the applicable [Qualified Products List](#). Removal from the applicable Qualified Products List will prohibit the use of the product in Georgia Department of Transportation work until the acceptability of the product is re-established. Products that have not been used in Georgia Department of Transportation Construction or Maintenance work for a period of twelve months will, at the Department's discretion, be removed from the applicable [Qualified Products List](#). The Department reserves the right to limit the number of products for each type material from any manufacturer.

The Department may reject any product deemed by the State Materials Engineer to be hazardous to personnel in handling and testing.

II. Requirements

A. Manufacturers and Producers

Manufacturers and Producers must adhere to the following requirements:

Samples may be submitted for Initial Evaluation at any time. Products covered by SOP 22, currently approved by the Department and listed in the Department's [Qualified Products Manual](#) must be submitted for Annual Evaluation. Annual samples must be submitted in accordance with SOP 22 to the Office of Materials and Testing by the date listed for each QPL as detailed below.

- QPL-92A by January 10
- QPL-92B by January 10
- QPL-92C by January 10

When submitting a sample, the Office of Materials and Testing requires the following:

- A Product Evaluation Form (attached) must be submitted for initial and annual evaluation, listing each sample submitted for evaluation.
- A Materials Safety Data Sheet (MSDS) and a Warranty letter, as described in [Section II-C](#), must be submitted with each sample for initial and annual evaluation.
- A Production Quality Control Plan for each product must be submitted for the initial evaluation or upon request.

The sample and required documentation should be sent to the following address:

**Georgia Department of Transportation
Office of Materials and Testing
15 Kennedy Drive
Forest Park, GA 30297-2599
Attn: Bituminous Control Engineer, Room 209**

B. Independent Lab Evaluation

Test results from a private lab are required on some items before the Office of Materials and Testing will begin its evaluation. As a matter of information, any available test results, product data sheets, MSDS, and independent lab evaluation and certification should be furnished when submitting a product for initial evaluation.

C. Annual Warranty

The manufacturer or producer must submit an annual warranty for each product before being added to the [Qualified Products Manual](#). The warranty shall be submitted on company letterhead and contain the following: Appropriate QPL warranty statement from [Section III](#) through Section V followed by the additional statement below, signed by a person legally responsible to bind the company, and notarized.

The following additional warranty shall be included as the latter part of every warranty:

“We further warrant that material furnished to State of Georgia projects will be replaced without cost to the purchaser and State of Georgia when found not in conformity with any of the specified requirements. We accept full responsibility for determining the governing Specification for each order, provided we are given notice of revised Specifications, and we warrant that the material currently being furnished is identical in formulation, composition, and properties as the material originally submitted for source approval.”

D. Identification of Products

Brand name, type, and lot or batch number, date of manufacture, and any other pertinent information must identify submitted products. The manufacturer will be expected to conduct sufficient tests and maintain product control records to verify that production is adequate to assure Specification compliance. It will be required that the manufacturer notifies the Office of Materials and Testing of any change in formulation or composition of any of their products in the [Qualified Products Manual](#) and submit samples for re-evaluation.

E. Company Product Labels

Product labels must be unique to the company wishing to list its products in the [Qualified Products Manual](#); therefore, companies will not be allowed to list product labels other than their own. The Department will not evaluate or list the same-labeled product in the [Qualified Products Lists](#) for multiple distributors, manufacturers, or producers.

F. Initial or Annual Evaluation Submittals

Submittal of products for Initial Evaluation or Annual Evaluation must be in accordance with this Standard Operating Procedure. The Department will not evaluate any improperly submitted products.

III. (QPL-92A) Asphalt Rubber Joint and Crack Sealant Type M

Asphalt Rubber Joint and Crack Seal shall meet the current requirements of Section 407 of the Georgia Department of Transportation Specifications.

A. Sample Requirements

1 Box (30 lbs.) of material.

B. Warranty Letter:

“This is to warrant that the product (Product Trade Name) as manufactured and sold by (Company Name) is an Asphalt Rubber Joint and Crack Sealant meeting the current requirements of Section 407 of the Georgia Department of Transportation Specifications. This material shall be manufactured under strict formulation and quality control. Changes of formulation will constitute a new product which will be submitted for approval under a new product name.”

“(Company Name) agrees to abide by and cooperate with the Georgia Department of Transportation’s control procedures as established in the Standard Operating Procedure for Acceptance of Asphalt Rubber Joint and Crack Sealant (SOP 22).”

“This certificate of guarantee supersedes all previous certificates and shall remain in effect as long as this company continues to furnish material to or for Georgia Department of Transportation construction or maintenance projects under the privileges of the Approved List of Suppliers of Asphalt Rubber Joint and Crack Seal (QPL 92A).”

Include remainder of Warranty from Section [II-C](#).

IV.(QPL-92B) Asphalt Rubber Joint and Crack Sealant Type S

Asphalt Rubber Joint and Crack Seal shall meet the current requirements of Section 407 of the Georgia Department of Transportation Specifications.

A. Sample Requirements

1 Box (30 lbs.) of material.

B. Warranty Letter:

“This is to warrant that the product (Product Trade Name) as manufactured and sold by (Company Name) is an Asphalt Rubber Joint and Crack Sealant meeting the current requirements of Section 407 of the Georgia Department of Transportation Specifications. This material shall be manufactured under strict formulation and quality control. Changes of formulation will constitute a new product which will be submitted for approval under a new product name.”

“(Company Name) agrees to abide by and cooperate with the Georgia Department of Transportation’s control procedures as established in the Standard Operating Procedure for Acceptance of Asphalt Rubber Joint and Crack Sealant (SOP 22).”

“This certificate of guarantee supersedes all previous certificates and shall remain in effect as long as this company continues to furnish material to or for Georgia Department of Transportation construction or maintenance projects under the privileges of the Approved List of Suppliers of Asphalt Rubber Joint and Crack Seal (QPL 92B).”

Include remainder of Warranty from Section [II-C](#).

V.(QPL-92C) Asphalt Rubber Joint and Crack Sealant PMAR

Asphalt Rubber Joint and Crack Seal shall meet the current requirements of Section 407 of the Georgia Department of Transportation Specifications.

A. Sample Requirements

1 Box (30 lbs.) of material.

B. Warranty Letter:

“This is to warrant that the product (Product Trade Name) as manufactured and sold by (Company Name) is an Asphalt Rubber Joint and Crack Sealant meeting the current requirements of Section 407 of the Georgia Department of Transportation Specifications. This material shall be manufactured under strict formulation and quality control. Changes of formulation will constitute a new product which will be submitted for approval under a new product name.”

“(Company Name) agrees to abide by and cooperate with the Georgia Department of Transportation’s control procedures as established in the Standard Operating Procedure for Acceptance of Asphalt Rubber Joint and Crack Sealant (SOP 22).”

“This certificate of guarantee supersedes all previous certificates and shall remain in effect as long as this company continues to furnish material to or for Georgia Department of Transportation construction or maintenance projects under the privileges of the Approved List of Suppliers of Asphalt Rubber Joint and Crack Seal (QPL 92C).”

Include remainder of Warranty from Section [II-C](#).

State Materials Engineer

Director of Construction